

*NPIC Historical Library*

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SAPC-1736  
Copy 2 of 6.

30 August 1955

MEMORANDUM FOR : Project Director

SUBJECT : Film Requirements

1. An appraisal of duplicate negative requirements indicates the possibility of reducing the number of negatives to be prepared at the Eastman processing facilities in Rochester, New York. Since the Central Interpretation Unit will receive the original negatives and a duplicate positive, the provision of a single duplicate negative should fulfill the normal requirements. Additional negatives can be prepared as desired. The provision of a single negative to the Unit would reduce storage space requirements and the number of negatives required of Eastman.

2. It is recommended that the Aeronautical Chart and Information Center of St. Louis be contacted prior to preparing a negative for their use. In various discussions with personnel from ACIC the point has been raised as to the difficulty of storing and utilizing material of Top Secret classification. Possibly arrangements could be made for ACIC to send a group of properly cleared personnel to the Unit for extracting information from the photography for use in chart correction. This material could then be provided to the production plant in St. Louis in a sterile manner and possessing a relatively low classification.

3. The substitution of a duplicate positive for the duplicate negative presently intended for SAC may more nearly fulfill their requirements. The provision of a duplicate positive prepared from the original negative would enable SAC to produce as many top quality duplicate negatives as desired. Such duplicate negatives would only be two generations from the original negatives. If SAC should be provided with a duplicate negative and desired additional negatives, it would mean the preparation of a duplicate positive with the final negatives being four generations from the original and consequent loss of quality.

4. As stated in the memorandum of [ ] dated 22 August 1955, Eastman is planning to handle the film in 100 foot rolls and then cut if so desired. It is definitely desirable that the duplicate material be provided the Unit in 100 foot rolls due to the ease of handling, speed of handling and ease of storing roll film over that of cut film.

**SECRET**

SECRET

-2-

★ 5. Requirements must be established for titling of individual exposures. Each exposure should contain date, mission number, altitude, time, exposure number and tilt angle so that all prints may be quickly and accurately identified. Any titling system necessitating cross references or decoding of information will seriously slow down use of the material and increase the tendency for misfiling. At the present time information is not available as to what information will be automatically recorded by each camera.

★ 6. Specifications and estimates are required for the containers to be used with the original negatives and prints. It is desirable that the original negatives be provided in transparent plastic envelopes. Such containers will allow for the identification and inspection without direct contact of the negatives. Both prints and original negatives should be provided in cardboard boxes suitable for filing purposes. The size of these containers should be sufficient to hold no more than 200 prints or negatives. Mission data should be recorded on the cardboard containers.

7. Definite specifications for the material being furnished by Eastman must be established at the earliest possible date to enable the preparation of exact storage facility requirements. The following list covers the specifications for items which should be furnished the Unit.

a. Charting Camera - 3" f11

- (1) Original negative - cut, in envelope and boxes - 3"x12"
- (2) Duplicate positive - full mission on a roll-approx.  
3"x12" roll
- (3) Duplicate negative - full mission on a roll, approx.  
3"x12" roll
- (4) Contact prints - 1 set, in boxes, 4"x12"

b. Trimetragon installation - 6" f11

- (1) Original negative - cut, in envelopes and  
boxes - 11"x11"
- (2) Duplicate positive - 100 foot rolls, in cans, 5"x12" cans
- (3) Duplicate negative - " " " " " " " "
- (4) Contact prints - 1 set, in boxes, 11"x11"

c. Rocking and fan installations - 24"

- (1) Original negative - cut, in envelopes and boxes, 11"x20"
- (2) Duplicate positive - 100' rolls, in cans, 5"x12" cans
- (3) Duplicate negative - 100' rolls, in cans, 5"x12" cans
- (4) Contact prints - 1 set, in boxes, 11"x20"

SECRET

**SECRET**

-3-

**d. Configuration B - 36" f/L**

- (1) Original negative - cut, in envelopes and boxes - 11"x20"
- (2) Duplicate positive - 100' rolls, in cans, 5"x12" cans
- (3) Duplicate negative - 100' rolls, in cans, 5"x12" cans
- (4) Contact prints - 1 set, in boxes, 11"x20"

**e. Configuration C - 114" f/L**

- (1) Original negative - cut, in envel. and boxes - 8"x11"
- (2) Duplicate positive - 100' rolls, in cans, 5"x8" cans
- (3) Duplicate negative - 100' rolls, in cans, 5"x8" cans
- (4) Contact prints - 1 set, in boxes, 8"x11"

**f. Totals**

- (1) 1 set original negatives in envelopes and boxes (Unit)
- (2) 2 sets duplicate positives (Unit and SAC)
- (3) 1 set duplicate negatives (Unit)
- (4) 2 sets contact prints (Unit and SAC)

- g. Responsibility for preparing enlargements and rectified prints should remain with the Unit. Only a small percentage of the photography will warrant rectification or enlargement and the preparation of complete sets of such material will be a waste of time, money and storage space.

8. Consideration must be given to the establishment of a courier system to handle delivery of the photography from Rochester to the Unit. This system will require the capability of providing frequent service due to lack of storage space in Rochester, and maintenance of a steady flow of material to the Unit.

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